

FILE 'HCAPLUS' ENTERED AT 14:10:16 ON 13 SEP 2006

L1 1 SEA ABB=ON PLU=ON US2005085073/PN  
 L2 SEL PLU=ON L1 1- RN : 8 TERMS  
 L3 899098 SEA ABB=ON PLU=ON L2  
 L4 1 SEA ABB=ON PLU=ON L1 AND L3

FILE 'STNGUIDE' ENTERED AT 14:10:49 ON 13 SEP 2006

FILE 'REGISTRY' ENTERED AT 14:13:57 ON 13 SEP 2006

L5 83156 SEA ABB=ON PLU=ON CU/MAC AND (ZR OR CA OR AL)/MAC  
 L6 3416 SEA ABB=ON PLU=ON CU/MAC AND (LA OR HF)/MAC  
 L7 111250 SEA ABB=ON PLU=ON CU/MAC AND (SN OR IN OR CR)/MAC  
 L8 101889 SEA ABB=ON PLU=ON L7 AND ALLOY?  
 L9 80645 SEA ABB=ON PLU=ON L5 AND ALLOY?  
 L10 21784 SEA ABB=ON PLU=ON L7 AND CU>49/MAC  
 L11 4168 SEA ABB=ON PLU=ON L7 AND SN>49/MAC  
 L12 197 SEA ABB=ON PLU=ON L7 AND IN>49/MAC  
 L13 1996 SEA ABB=ON PLU=ON L7 AND ZR>49/MAC  
 L14 368 SEA ABB=ON PLU=ON L7 AND CR>49/MAC  
 L15 15096 SEA ABB=ON PLU=ON L5 AND CU>50/MAC  
 L16 1955 SEA ABB=ON PLU=ON L5 AND ZR>50/MAC  
 L17 60 SEA ABB=ON PLU=ON L5 AND CA>50/MAC  
 L18 36812 SEA ABB=ON PLU=ON L5 AND AL>50/MAC  
 L19 20557 SEA ABB=ON PLU=ON L5 AND ZR/MAC  
 L20 1613 SEA ABB=ON PLU=ON L5 AND CA/MAC  
 L21 72983 SEA ABB=ON PLU=ON L5 AND AL/MAC  
 L22 27732 SEA ABB=ON PLU=ON L7 AND SN/MAC  
 L23 4647 SEA ABB=ON PLU=ON L7 AND IN/MAC  
 L24 20557 SEA ABB=ON PLU=ON L7 AND ZR/MAC  
 L25 71061 SEA ABB=ON PLU=ON L7 AND CR/MAC  
 L26 1768 SEA ABB=ON PLU=ON L5 AND L6  
 L27 11314 SEA ABB=ON PLU=ON L19 AND (L20 OR L21)  
 L28 683 SEA ABB=ON PLU=ON L20 AND L21  
 L29 5691 SEA ABB=ON PLU=ON L22 AND (L23 OR L24 OR L25)  
 L30 488 SEA ABB=ON PLU=ON L23 AND (L24 OR L25)  
 L31 6568 SEA ABB=ON PLU=ON L24 AND L25  
 L32 169 SEA ABB=ON PLU=ON BRASS  
 L33 307 SEA ABB=ON PLU=ON BRONZE  
 L34 22 SEA ABB=ON PLU=ON (L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11 OR L12 OR L13 OR L14 OR L15 OR  
 L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR L27 OR L28 OR L29 OR L30 OR  
 L31) AND L32  
 L35 61 SEA ABB=ON PLU=ON (L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11 OR L12 OR L13 OR L14 OR L15 OR  
 L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR L27 OR L28 OR L29 OR L30 OR  
 L31) AND L33  
 L36 2 SEA ABB=ON PLU=ON L34 NOT PB/MAC  
 L37 24 SEA ABB=ON PLU=ON L35 NOT PB/MAC  
 L38 53443 SEA ABB=ON PLU=ON (L10 OR L11 OR L12 OR L13 OR L14) OR (L22 OR L23 OR L24) OR (L29 OR L30  
 OR L31)  
 L39 62101 SEA ABB=ON PLU=ON L25 AND L8  
 L40 7210 SEA ABB=ON PLU=ON L39 AND (L10 OR L11 OR L12 OR L13 OR L14)  
 L41 7224 SEA ABB=ON PLU=ON L25 AND (L10 OR L11 OR L12 OR L13 OR L14)  
 L42 62418 SEA ABB=ON PLU=ON L26 OR (L15 OR L16 OR L17 OR L18 OR L19 OR L20) OR L27 OR L28  
 L43 3746 SEA ABB=ON PLU=ON L10 AND L21 AND L9  
 L44 64066 SEA ABB=ON PLU=ON L6 OR (L15 OR L16 OR L17 OR L18 OR L19 OR  
 L20) OR (L26 OR L27 OR L28) OR L42  
 L45 64451 SEA ABB=ON PLU=ON (L39 OR L40 OR L41) OR L43  
 L46 728 SEA ABB=ON PLU=ON IR/MAC AND RU/MAC  
 L47 815 SEA ABB=ON PLU=ON IR/MAC AND RH/MAC  
 L48 686 SEA ABB=ON PLU=ON RU/MAC AND RH/MAC  
 L49 302 SEA ABB=ON PLU=ON RU/MAC AND RH/MAC AND IR/MAC  
 L50 1625 SEA ABB=ON PLU=ON (L46 OR L47 OR L48 OR L49) AND ALLOY?  
 L51 199 SEA ABB=ON PLU=ON L46 AND IR>30/MAC  
 L52 112 SEA ABB=ON PLU=ON L46 AND RU>30/MAC  
 L53 100 SEA ABB=ON PLU=ON L47 AND RH>30/MAC  
 L54 258 SEA ABB=ON PLU=ON L47 AND IR>30/MAC  
 L55 99 SEA ABB=ON PLU=ON L48 AND RH>30/MAC  
 L56 118 SEA ABB=ON PLU=ON L48 AND RU>30/MAC  
 L57 69 SEA ABB=ON PLU=ON L49 AND IR>30/MAC

L58 10 SEA ABB=ON PLU=ON L49 AND RH>30/MAC  
 L59 18 SEA ABB=ON PLU=ON L49 AND RU>30/MAC  
 L60 302 SEA ABB=ON PLU=ON L49 AND ALLOY?  
 L61 1625 SEA ABB=ON PLU=ON (L46 OR L47 OR L48 OR L49 OR L50 OR L51 OR  
 L52 OR L53 OR L54 OR L55 OR L56 OR L57 OR L58 OR L59 OR L60)  
 L62 1 SEA ABB=ON PLU=ON IRIDIUM/CN  
 L63 1 SEA ABB=ON PLU=ON RHENIUM/CN  
 L64 1 SEA ABB=ON PLU=ON RUTHENIUM/CN  
 L65 3 SEA ABB=ON PLU=ON (L62 OR L63 OR L64)

FILE 'HCAPLUS' ENTERED AT 14:41:08 ON 13 SEP 2006

L66 33737 SEA ABB=ON PLU=ON L45(L) (BLEND#### OR ALLOY#### OR ADHES####  
 OR ADHER#### OR FILM OR DIELEC OR DIELECTRIC)  
 L67 38431 SEA ABB=ON PLU=ON L45 AND (BLEND#### OR ALLOY#### OR  
 ADHES#### OR ADHER#### OR FILM OR DIELEC OR DIELECTRIC)/TI  
 L68 43058 SEA ABB=ON PLU=ON L45 AND (BLEND#### OR ALLOY#### OR  
 ADHES#### OR ADHER#### OR FILM OR DIELEC OR DIELECTRIC)/ST  
 L69 293 SEA ABB=ON PLU=ON L45 AND PRECURSOR  
 L70 4950 SEA ABB=ON PLU=ON L45 AND INTERFAC####  
 L71 8535 SEA ABB=ON PLU=ON L45 AND (MEMBRANE OR THICKNESS OR ULTRATHIN  
 OR SUPERTHIN OR MONOLAYER? OR INTERLAYER? OR INTERPOSITION?)  
 L72 608 SEA ABB=ON PLU=ON L45 AND (SEMICONDUCT#####/TI OR IC/TI OR CIRCUIT/TI)  
 L73 64010 SEA ABB=ON PLU=ON (L66 OR L67 OR L68 OR L69 OR L70 OR L71 OR L72)  
 L74 40155 SEA ABB=ON PLU=ON L73 AND L44  
 L75 154 SEA ABB=ON PLU=ON L73 AND (L65 OR L61)  
 L76 148 SEA ABB=ON PLU=ON L44 AND (L65 OR L61)  
 L77 61 SEA ABB=ON PLU=ON L74 AND L75 AND L76  
 L78 0 SEA ABB=ON PLU=ON L77 AND DAMASCEN?  
 L79 3 SEA ABB=ON PLU=ON L77 AND CONDUCTOR  
 L80 2 SEA ABB=ON PLU=ON L77 AND COPPER/AB  
 L81 30 SEA ABB=ON PLU=ON L77 AND CU/AB  
 L82 0 SEA ABB=ON PLU=ON L81 AND SEMICONDUCT?  
 L83 3 SEA ABB=ON PLU=ON L81 AND CIRCUIT  
 L84 0 SEA ABB=ON PLU=ON L81 AND IC  
 L85 7 SEA ABB=ON PLU=ON L79 OR L80 OR L83

FILE 'STNGUIDE' ENTERED AT 14:50:14 ON 13 SEP 2006

FILE 'HCAPLUS' ENTERED AT 14:51:40 ON 13 SEP 2006

L86 223258 SEA ABB=ON PLU=ON (COMPOSIT##### OR MIX##### OR BLEND##### OR INTERFAC####) (3A) (FILM OR  
 LAYER#### OR ADHE#####)  
 L87 54394 SEA ABB=ON PLU=ON ?ALLOY? (3A) (FILM OR LAYER#### OR ADHE#####)

FILE 'HCAPLUS' ENTERED AT 14:52:17 ON 13 SEP 2006

L88 75372 SEA ABB=ON PLU=ON (COMPOSIT##### OR MIX##### OR BLEND##### OR INTERFAC####) (3A)?ALLOY?  
 L89 10244 SEA ABB=ON PLU=ON L73 AND (L86 OR L87 OR L88)  
 L90 16311 SEA ABB=ON PLU=ON L44 AND (L86 OR L87 OR L88)  
 L91 7513 SEA ABB=ON PLU=ON L74 AND (L86 OR L87 OR L88)  
 L92 43 SEA ABB=ON PLU=ON (L69 OR L72 OR (L75 OR L76 OR L77 OR L78  
 OR L79 OR L80 OR L81)) AND (APERTURE OR WINDOW### OR HOLE OR OPENING)  
 L93 107 SEA ABB=ON PLU=ON (L69 OR L72 OR (L75 OR L76 OR L77 OR L78 OR L79 OR L80 OR L81)) AND  
 ADHE#####  
 L94 10 SEA ABB=ON PLU=ON (L69 OR L72 OR (L75 OR L76 OR L77 OR L78 OR L79 OR L80 OR L81)) AND  
 BLEND#####  
 L95 107 SEA ABB=ON PLU=ON (L69 OR L72 OR (L75 OR L76 OR L77 OR L78 OR L79 OR L80 OR L81)) AND  
 ADHE#####  
 L96 50 SEA ABB=ON PLU=ON (L69 OR L72 OR (L75 OR L76 OR L77 OR L78 OR L79 OR L80 OR L81)) AND  
 BARRIER  
 L97 81 SEA ABB=ON PLU=ON (L69 OR L72 OR (L75 OR L76 OR L77 OR L78 OR L79 OR L80 OR L81)) AND  
 ?DIFFUS?  
 L98 11 SEA ABB=ON PLU=ON (L69 OR L72 OR (L75 OR L76 OR L77 OR L78 OR L79 OR L80 OR L81)) AND  
 ?MIGRAT?  
 L99 2 SEA ABB=ON PLU=ON L69 AND L72  
 L100 297 SEA ABB=ON PLU=ON (L77 OR L78 OR L79 OR L80 OR L81 OR L82 OR L83) OR (L92 OR L93 OR L94 OR  
 L95 OR L96 OR L97 OR L98 OR L99)  
 L101 290 SEA ABB=ON PLU=ON L100 NOT L85  
 L102 54 SEA ABB=ON PLU=ON L77 AND L101  
 L103 0 SEA ABB=ON PLU=ON L49 AND L101

L104 6 SEA ABB=ON PLU=ON (L46 OR L47 OR L48) AND L101  
 L105 63 SEA ABB=ON PLU=ON (L6 OR (L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17) OR L20 OR L23)  
 AND L101  
 L106 93 SEA ABB=ON PLU=ON (L26 OR (L28 OR L29 OR L30 OR L31 OR L32 OR L33 OR L34 OR L35 OR L36 OR  
 L37)) AND L101  
 L107 58 SEA ABB=ON PLU=ON L40 AND L101  
 L108 58 SEA ABB=ON PLU=ON L41 AND L101  
 L109 16 SEA ABB=ON PLU=ON L43 AND L101  
 L110 6 SEA ABB=ON PLU=ON (L46 OR L47 OR L48 OR L49 OR L50 OR L51 OR  
 L52 OR L53 OR L54 OR L55 OR L56 OR L57 OR L58 OR L59 OR L60 OR L61) AND L101  
 L111 12 SEA ABB=ON PLU=ON L62 AND L63 AND L64 AND L101  
 L112 14 SEA ABB=ON PLU=ON L62 AND L63 AND L101  
 L113 0 SEA ABB=ON PLU=ON L61 AND L63 AND L101  
 L114 0 SEA ABB=ON PLU=ON L61 AND L62 AND L101  
 L115 29 SEA ABB=ON PLU=ON L100 AND INTEGRATED CIRCUIT  
 L116 3 SEA ABB=ON PLU=ON L100 AND IC AND SEMICONDUCT#####  
 L117 82 SEA ABB=ON PLU=ON L100 AND H01L?/IC,IPC,ECLA  
 L118 42 SEA ABB=ON PLU=ON L100 AND H05K?/IC,IPC,ECLA  
 L119 28 SEA ABB=ON PLU=ON L100 AND 257?/NCL  
 L120 20 SEA ABB=ON PLU=ON L100 AND 438?/NCL  
 L121 13 SEA ABB=ON PLU=ON L100 AND BARRIER(3A) (?MIGRAT? OR ?DIFFUS?)  
 L122 15 SEA ABB=ON PLU=ON L100 AND (ANG OR ANSTROM OR NM OR NANOMET?  
 OR ULTRATHIN OR ULTRA THIN OR SUPERTHIN OR SUPER THIN)  
 L123 4 SEA ABB=ON PLU=ON L100 AND (?MEMBRAN? OR MONOLAYER? OR MONO LAYER####)  
 L124 107 SEA ABB=ON PLU=ON L100 AND ADHE#####  
 L125 10 SEA ABB=ON PLU=ON L100 AND BLEND#####  
 L126 50 SEA ABB=ON PLU=ON L100 AND BARRIER  
 L127 0 SEA ABB=ON PLU=ON L100 AND TRILAYER?  
 L128 0 SEA ABB=ON PLU=ON L100 AND TRI LAYER?  
 L129 15 SEA ABB=ON PLU=ON L100 AND MULTILAYER?  
 L130 0 SEA ABB=ON PLU=ON L100 AND MULTI LAYER?  
 L131 1 SEA ABB=ON PLU=ON L100 AND MULTIPLE LAYER?  
 L132 13 SEA ABB=ON PLU=ON L100 AND INTERLAYER?  
 L133 0 SEA ABB=ON PLU=ON L100 AND INTER LAYER?  
 L134 4 SEA ABB=ON PLU=ON L100 AND INTERMEDIATE (2A) LAYER?  
 L135 10 SEA ABB=ON PLU=ON L100 AND (BETWEEN OR MIDDLE OR CENTER####) (2A) LAYER?  
 L136 147 SEA ABB=ON PLU=ON (L102 OR L103 OR L104 OR L105 OR L106 OR L107 OR L108 OR L109 OR L110 OR  
 L111 OR L112 OR L113 OR L114)  
 L137 216 SEA ABB=ON PLU=ON (L115 OR L116 OR L117 OR L118 OR L119 OR L120 OR L121 OR L122 OR L123 OR  
 L124 OR L125 OR L126 OR L127 OR L128 OR L129 OR L130 OR L131 OR L132 OR L133 OR L134 OR L135)  
 L138 92 SEA ABB=ON PLU=ON L136 AND L137  
 L139 92 SEA ABB=ON PLU=ON L138 NOT L85  
 L140 5 SEA ABB=ON PLU=ON L139 AND (L32 OR L33 OR BRONZE OR BRASS)

FILE 'STNGUIDE' ENTERED AT 15:07:13 ON 13 SEP 2006

FILE 'HCAPLUS' ENTERED AT 15:08:34 ON 13 SEP 2006

L141 140253 SEA ABB=ON PLU=ON (BARRIER OR ADHE##### OR BLEND#### OR ALLOY####) (5A) (CU OR COPPER OR  
 INLAY##### OR INLAID OR DAMASCEN?)  
 L142 4027 SEA ABB=ON PLU=ON (METALIS? OR METALLIS? OR METALIZ? OR METALLIZ?) (5A) (CU OR COPPER OR  
 INLAY##### OR INLAID OR DAMASCEN?)  
 L143 87 SEA ABB=ON PLU=ON L139 NOT L140  
 L144 12474 SEA ABB=ON PLU=ON ADHE##### (7A) (CU OR COPPER OR INLAY##### OR INLAID OR DAMASCEN?)  
 L145 3214 SEA ABB=ON PLU=ON GLU##### (7A) (CU OR COPPER OR INLAY##### OR INLAID OR DAMASCEN?)  
 L146 1896 SEA ABB=ON PLU=ON PEEL##### (7A) (CU OR COPPER OR INLAY##### OR INLAID OR DAMASCEN?)  
 L147 24895 SEA ABB=ON PLU=ON (?BARRIER? OR ?MIGRAT? OR ?DIFFUS?) (7A) (CU OR COPPER OR INLAY##### OR  
 INLAID OR DAMASCEN#####)  
 L148 34009 SEA ABB=ON PLU=ON (?BARRIER? OR ?MIGRAT? OR ?DIFFUS?) (7A) (BLOCK##### OR AGAINST OR  
 PREVENT##### OR AVOID##### OR ELIMINA#####)  
 L149 16 SEA ABB=ON PLU=ON L143 AND L144  
 L150 0 SEA ABB=ON PLU=ON L143 AND L145  
 L151 4 SEA ABB=ON PLU=ON L143 AND L146  
 L152 6 SEA ABB=ON PLU=ON L143 AND L147  
 L153 3 SEA ABB=ON PLU=ON L143 AND L148  
 L154 25 SEA ABB=ON PLU=ON (L149 OR L150 OR L151 OR L152 OR L153)

FILE 'STNGUIDE' ENTERED AT 15:12:40 ON 13 SEP 2006

FILE 'HCAPLUS' ENTERED AT 15:13:28 ON 13 SEP 2006

L155 62 SEA ABB=ON PLU=ON L143 NOT L154  
 L156 42 SEA ABB=ON PLU=ON L155 AND ?ALLOY?  
 L157 4 SEA ABB=ON PLU=ON L155 AND ?FOIL?  
 L158 1 SEA ABB=ON PLU=ON L155 AND THREE  
 L159 1 SEA ABB=ON PLU=ON L155 AND THIRD  
 L160 0 SEA ABB=ON PLU=ON L155 AND TRI  
 L161 1 SEA ABB=ON PLU=ON L155 AND THREE  
 L162 0 SEA ABB=ON PLU=ON L155 AND TRIPLE  
 L163 0 SEA ABB=ON PLU=ON L155 AND 3RD  
 L164 0 SEA ABB=ON PLU=ON L155 AND TERNARY  
 L165 224 SEA ABB=ON PLU=ON (L74 OR L75 OR L76) AND TERNARY  
 L166 13 SEA ABB=ON PLU=ON L156 AND (CU OR COPPER) (3A) (SN OR TIN OR INDIUM OR "IN" OR ZN OR ZINC OR CR OR CHROME OR CHROMIUM)  
 L167 3 SEA ABB=ON PLU=ON L156 AND (CU OR COPPER) (3A) (ZR OR ZIRCONIUM OR CA OR CALCIUM OR AL OR ALUMINIUM OR ALUMINUM)  
 L168 0 SEA ABB=ON PLU=ON L156 AND (CU OR COPPER) (3A) (LA OR LANTHANUM OR HF OR HAFNIUM)  
 L169 0 SEA ABB=ON PLU=ON L156 AND (CU OR COPPER) (6A) (LA OR LANTHANUM OR HF OR HAFNIUM)  
 L170 19 SEA ABB=ON PLU=ON (L157 OR L158 OR L159 OR L160 OR L161) OR (L166 OR L167)  
 L171 19 SEA ABB=ON PLU=ON L170 NOT (L154 OR L140)

FILE 'STNGUIDE' ENTERED AT 15:19:06 ON 13 SEP 2006

FILE 'HCAPLUS' ENTERED AT 15:21:34 ON 13 SEP 2006

L172 9 SEA ABB=ON PLU=ON (L66 OR L67 OR L68 OR L69 OR L70 OR L71 OR L72 OR L73 OR L74 OR L75 OR L76 OR L77 OR L78 OR L79 OR L80 OR L81) AND (MICROBOND? OR MICRO BOND#### OR NANO BOND? OR NANO BOND####)

FILE 'HCAPLUS' ENTERED AT 15:22:26 ON 13 SEP 2006

L173 1396 SEA ABB=ON PLU=ON (L66 OR L67 OR L68 OR L69 OR L70 OR L71 OR L72 OR L73 OR L74 OR L75 OR L76 OR L77 OR L78 OR L79 OR L80 OR L81) AND (MICROALLOY? OR MICRO ALLOY? OR NANOALLOY? OR NANO ALLOY?)  
 L174 409 SEA ABB=ON PLU=ON (L86 OR L87) AND (MICROALLOY? OR MICRO ALLOY? OR NANOALLOY? OR NANO ALLOY?)  
 L175 70 SEA ABB=ON PLU=ON (L86 OR L87) AND (MICROBOND? OR MICRO BOND#### OR NANO BOND? OR NANO BOND####)  
 L176 5 SEA ABB=ON PLU=ON (L88 OR L89 OR L90 OR L91 OR L92 OR L93 OR L94 OR L95 OR L96 OR L97 OR L98 OR L99 OR L100 OR L101 OR L102 OR L103 OR L104 OR L105 OR L106 OR L107 OR L108 OR L109 OR L110 OR L111 OR L112 OR L113 OR L114 OR L115 OR L116 OR L117 OR L118 OR L119 OR L120 OR L121 OR L122 OR L123 OR L124 OR L125 OR L126 OR L127 OR L128 OR L129 OR L130 OR L131 OR L132 OR L133 OR L134 OR L135 OR L136 OR L137) AND (MICROBOND? OR MICRO BOND#### OR NANO BOND? OR NANO BOND####)  
 L177 836 SEA ABB=ON PLU=ON (L88 OR L89 OR L90 OR L91 OR L92 OR L93 OR L94 OR L95 OR L96 OR L97 OR L98 OR L99 OR L100 OR L101 OR L102 OR L103 OR L104 OR L105 OR L106 OR L107 OR L108 OR L109 OR L110 OR L111 OR L112 OR L113 OR L114 OR L115 OR L116 OR L117 OR L118 OR L119 OR L120 OR L121 OR L122 OR L123 OR L124 OR L125 OR L126 OR L127 OR L128 OR L129 OR L130 OR L131 OR L132 OR L133 OR L134 OR L135 OR L136 OR L137) AND (MICROALLOY? OR MICRO ALLOY? OR NANOALLOY? OR NANO ALLOY?)  
 L178 187 SEA ABB=ON PLU=ON (L88 OR L89 OR L90 OR L91 OR L92 OR L93 OR L94 OR L95 OR L96 OR L97 OR L98 OR L99 OR L100 OR L101 OR L102 OR L103 OR L104 OR L105 OR L106 OR L107 OR L108 OR L109 OR L110 OR L111 OR L112 OR L113 OR L114 OR L115 OR L116 OR L117 OR L118 OR L119 OR L120 OR L121 OR L122 OR L123 OR L124 OR L125 OR L126 OR L127 OR L128 OR L129 OR L130 OR L131 OR L132 OR L133 OR L134 OR L135 OR L136 OR L137) AND (ULTRATHIN OR SUPERTHIN OR ULTRA THIN OR SUPER THIN)  
 L179 2932 SEA ABB=ON PLU=ON (L86 OR L87) AND (ULTRATHIN OR SUPERTHIN OR ULTRA THIN OR SUPER THIN)  
 L180 47 SEA ABB=ON PLU=ON (L66 OR L67 OR L68 OR L69 OR L70 OR L71 OR L72 OR L73 OR L74 OR L75 OR L76 OR L77 OR L78 OR L79 OR L80 OR L81) AND (ULTRATHIN OR SUPERTHIN OR ULTRA THIN OR SUPER THIN)  
 L181 49 SEA ABB=ON PLU=ON L171 OR L154 OR L140  
 L182 5504 SEA ABB=ON PLU=ON (L172 OR L173 OR L174 OR L175 OR L176 OR L177 OR L178 OR L179 OR L180)  
 L183 5500 SEA ABB=ON PLU=ON L182 NOT L181  
 L184 21 SEA ABB=ON PLU=ON L183 AND PRINTED CIRCUIT  
 L185 0 SEA ABB=ON PLU=ON L183 AND PCB  
 L186 0 SEA ABB=ON PLU=ON L183 AND PC BOARD  
 L187 66 SEA ABB=ON PLU=ON L183 AND INTEGRATED CIRCUIT  
 L188 341 SEA ABB=ON PLU=ON L183 AND ADHE#####  
 L189 0 SEA ABB=ON PLU=ON L183 AND MICROADHE#####  
 L190 0 SEA ABB=ON PLU=ON L183 AND NANOADHE#####  
 L191 0 SEA ABB=ON PLU=ON L183 AND PEELSTRENGTH?  
 L192 3 SEA ABB=ON PLU=ON L183 AND PEEL#### STRENGTH?  
 L193 85 SEA ABB=ON PLU=ON (L184 OR L185 OR L186 OR L187)  
 L194 342 SEA ABB=ON PLU=ON (L188 OR L189 OR L190 OR L191 OR L192)  
 L195 415 SEA ABB=ON PLU=ON (L193 OR L194)  
 L196 12 SEA ABB=ON PLU=ON L193 AND L194

L197 2 SEA ABB=ON PLU=ON L195 AND TERNARY  
 L198 11 SEA ABB=ON PLU=ON L195 AND PRECURSOR

FILE 'REGISTRY' ENTERED AT 15:29:59 ON 13 SEP 2006

L199 35766 SEA ABB=ON PLU=ON CU/MAC AND ZN/MAC  
 L200 35658 SEA ABB=ON PLU=ON (L5 OR L7 OR L6 OR L199) AND CU>49/MAC  
 L201 25883 SEA ABB=ON PLU=ON (L5 OR L7 OR L6 OR L199) AND CU>70/MAC  
 L202 20094 SEA ABB=ON PLU=ON (L5 OR L7 OR L6 OR L199) AND CU>80/MAC  
 L203 13295 SEA ABB=ON PLU=ON (L5 OR L7 OR L6 OR L199) AND CU>90/MAC  
 L204 9496 SEA ABB=ON PLU=ON (L5 OR L7 OR L6 OR L199) AND CU>95/MAC  
 L205 1 SEA ABB=ON PLU=ON COPPER/CN

FILE 'HCAPLUS' ENTERED AT 15:31:51 ON 13 SEP 2006

L206 54 SEA ABB=ON PLU=ON L195 AND L205  
 L207 24 SEA ABB=ON PLU=ON L195 AND L204  
 L208 24 SEA ABB=ON PLU=ON L195 AND L203  
 L209 26 SEA ABB=ON PLU=ON L195 AND L202  
 L210 26 SEA ABB=ON PLU=ON L195 AND L201  
 L211 26 SEA ABB=ON PLU=ON L195 AND L200  
 L212 39 SEA ABB=ON PLU=ON L195 AND L199  
 L213 1 SEA ABB=ON PLU=ON L195 AND L61  
 L214 7 SEA ABB=ON PLU=ON L195 AND L65  
 L215 3 SEA ABB=ON PLU=ON L195 AND IRIDIUM  
 L216 2 SEA ABB=ON PLU=ON L195 AND RH  
 L217 1 SEA ABB=ON PLU=ON L195 AND RHENIUM  
 L218 4 SEA ABB=ON PLU=ON L195 AND RU  
 L219 6 SEA ABB=ON PLU=ON L195 AND RUTHENIUM  
 L220 5 SEA ABB=ON PLU=ON L187 AND L188  
 L221 106 SEA ABB=ON PLU=ON L184 OR L192 OR (L196 OR L197 OR L198) OR (L206 OR L207 OR L208 OR L209 OR L210 OR L211 OR L212 OR L213 OR L214 OR L215 OR L216 OR L217 OR L218 OR L219 OR L220)  
 L222 0 SEA ABB=ON PLU=ON (L184 OR L187 OR L193 OR (L206 OR L207 OR L208 OR L209 OR L210 OR L211 OR L212)) AND APERTURE  
 L223 38 SEA ABB=ON PLU=ON (L184 OR L187 OR L193 OR (L206 OR L207 OR L208 OR L209 OR L210 OR L211 OR L212)) AND (DIELEC OR DIELECTRIC)  
 L224 2 SEA ABB=ON PLU=ON (L184 OR L187 OR L193 OR (L206 OR L207 OR L208 OR L209 OR L210 OR L211 OR L212)) AND OPENING  
 L225 6 SEA ABB=ON PLU=ON (L184 OR L187 OR L193 OR (L206 OR L207 OR L208 OR L209 OR L210 OR L211 OR L212)) AND HOLE  
 L226 0 SEA ABB=ON PLU=ON (L184 OR L187 OR L193 OR (L206 OR L207 OR L208 OR L209 OR L210 OR L211 OR L212)) AND ORIFICE  
 L227 7 SEA ABB=ON PLU=ON (L184 OR L187 OR L193 OR (L206 OR L207 OR L208 OR L209 OR L210 OR L211 OR L212)) AND VIA  
 L228 0 SEA ABB=ON PLU=ON (L184 OR L187 OR L193 OR (L206 OR L207 OR L208 OR L209 OR L210 OR L211 OR L212)) AND MICROVIA  
 L229 0 SEA ABB=ON PLU=ON (L184 OR L187 OR L193 OR (L206 OR L207 OR L208 OR L209 OR L210 OR L211 OR L212)) AND THROUGH HOLE  
 L230 0 SEA ABB=ON PLU=ON (L184 OR L187 OR L193 OR (L206 OR L207 OR L208 OR L209 OR L210 OR L211 OR L212)) AND PLUG####(4A)(CONTACT #### OR INTERCONNECT####)  
 L231 1 SEA ABB=ON PLU=ON (L184 OR L187 OR L193 OR (L206 OR L207 OR L208 OR L209 OR L210 OR L211 OR L212)) AND (CONTACT####(4A) INTERCONNECT####)  
 L232 10 SEA ABB=ON PLU=ON L206 AND (L207 OR L208 OR L209 OR L210 OR L211 OR L212)  
 L233 24 SEA ABB=ON PLU=ON L207 AND (L208 OR L209 OR L210 OR L211 OR L212)  
 L234 24 SEA ABB=ON PLU=ON L208 AND (L209 OR L210 OR L211 OR L212)  
 L235 26 SEA ABB=ON PLU=ON L209 AND (L210 OR L211 OR L212)  
 L236 26 SEA ABB=ON PLU=ON L210 AND (L211 OR L212)  
 L237 26 SEA ABB=ON PLU=ON L211 AND (L211 OR L212)

FILE 'STNGUIDE' ENTERED AT 15:39:54 ON 13 SEP 2006

FILE 'HCAPLUS' ENTERED AT 15:41:29 ON 13 SEP 2006

L238 73 SEA ABB=ON PLU=ON L176 OR (L196 OR L197 OR L198) OR (L213 OR L214 OR L215 OR L216 OR L217 OR L218 OR L219 OR L220) OR (L224 OR L225 OR L226 OR L227 OR L228 OR L229 OR L230 OR L231 OR L232 OR L233 OR L234 OR L235 OR L236 OR L237)  
 L239 10 SEA ABB=ON PLU=ON L223 AND (L206 OR L207 OR L208 OR L209 OR L210 OR L211 OR L212)  
 L240 37 SEA ABB=ON PLU=ON (L184 OR L185 OR L186 OR L187) AND L223  
 L241 40 SEA ABB=ON PLU=ON ((L184 OR L185 OR L186 OR L187)) AND (L206 OR L207 OR L208 OR L209 OR L210 OR L211 OR L212)  
 L242 108 SEA ABB=ON PLU=ON (L238 OR L239 OR L240 OR L241)

L243 108 SEA ABB=ON PLU=ON L242 NOT L181  
 L244 43 SEA ABB=ON PLU=ON L243 AND ADHE#####  
 L245 22 SEA ABB=ON PLU=ON L243 AND BARRIER  
 L246 55 SEA ABB=ON PLU=ON L244 OR L245  
 L247 53 SEA ABB=ON PLU=ON L243 NOT L246  
 L248 0 SEA ABB=ON PLU=ON L247 AND ?COMPRESS?  
 L249 0 SEA ABB=ON PLU=ON L247 AND PRESS  
 L250 0 SEA ABB=ON PLU=ON L247 AND PRESSES  
 L251 0 SEA ABB=ON PLU=ON L247 AND PRESSED  
 L252 0 SEA ABB=ON PLU=ON L247 AND PRESSING  
 L253 3 SEA ABB=ON PLU=ON L247 AND PRESSURE  
 L254 0 SEA ABB=ON PLU=ON L247 AND FORCE

FILE 'REGISTRY' ENTERED AT 15:47:06 ON 13 SEP 2006  
 L255 1057 SEA ABB=ON PLU=ON L5 AND L6 AND L7

FILE 'REGISTRY' ENTERED AT 15:47:10 ON 13 SEP 2006  
 L256 174 SEA ABB=ON PLU=ON L5 AND L6 AND L199

FILE 'REGISTRY' ENTERED AT 15:47:17 ON 13 SEP 2006  
 L257 113 SEA ABB=ON PLU=ON L199 AND L6 AND L7

FILE 'REGISTRY' ENTERED AT 15:47:22 ON 13 SEP 2006  
 L258 8503 SEA ABB=ON PLU=ON L199 AND L5 AND L7  
 L259 2861 SEA ABB=ON PLU=ON (L255 OR L256 OR L257 OR L258) AND CU>49/MAC  
 L260 4089 SEA ABB=ON PLU=ON (L255 OR L256 OR L257 OR L258) AND COPPER ALLOY####

FILE 'HCAPLUS' ENTERED AT 15:48:28 ON 13 SEP 2006  
 L261 105 SEA ABB=ON PLU=ON L243 NOT L253  
 L262 8 SEA ABB=ON PLU=ON L259 AND L261  
 L263 9 SEA ABB=ON PLU=ON L260 AND L261  
 L264 1 SEA ABB=ON PLU=ON (L46 OR L47 OR L48 OR L49) AND L261  
 L265 10 SEA ABB=ON PLU=ON (L262 OR L263 OR L264)  
 L266 15 SEA ABB=ON PLU=ON (L255 OR L256 OR L257 OR L258) AND L261  
 L267 8 SEA ABB=ON PLU=ON (L61 OR L62 OR L63 OR L64 OR L65) AND L261  
 L268 12 SEA ABB=ON PLU=ON (L262 OR L263 OR L264 OR L265 OR L266 OR L267) NOT L246  
 L269 23 SEA ABB=ON PLU=ON (L262 OR L263 OR L264 OR L265 OR L266 OR L267)  
 L270 12 SEA ABB=ON PLU=ON L261 AND L268